

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 0524]

MAY 2024

Sub. Code: 4018

M.D. DEGREE EXAMINATION

BRANCH VI – PHARMACOLOGY

**PAPER II – CLINICAL PHARMACOLOGY & PHARMACOTHERAPEUTICS
INCLUDING RECENT ADVANCES**

Q.P. Code: 204018

Time : Three Hours

Maximum : 100 Marks

I. Essay: (2 x 15 = 30)

1. a) Pharmacotherapy of rheumatoid arthritis.
b) Add a note on recent targets.
2. Microdosing studies – Designing, Analytical methods, Uses, Advantages and Limitations.

II. Short notes: (10 x 5 = 50)

1. Dosage regime of Aminoglycoside to ameliorate toxicity.
2. Select P-Drug for a patient with recurrent Urinary tract infection applying the criteria for selection of P-Drug.
3. Balanced Anaesthesia with rationale.
4. Write briefly on the sources of Chromium exposure and its acute and delayed effects.
5. Newly designed vaccines for treating diabetes.
6. Tabulate the classes of Chemopreventive agents, mechanism of action and current stage of drug development.
7. Drugs contraindicated, used with precaution and dosage adjustment in Paediatric population and Lactating Mother.
8. Newer drug targets in the treatment of cardiac arrhythmias.
9. Targeted therapy for atopic dermatitis.
10. Advice a traveler with plan from Nonendemic area to Malaria Endemic area.

III. Reasoning Out: (4 x 5 = 20)

1. Justify role of calcium channel blockers in chronic prophylaxis of angina.
2. Compare PK, adverse effects and uses of Deferiprone, Deferpoxamine and Deferasirox.
3. Enumerate AwaRe list classification of antimicrobials.
4. Risk benefits ratio of Nutraceuticals.
